

FIG 1

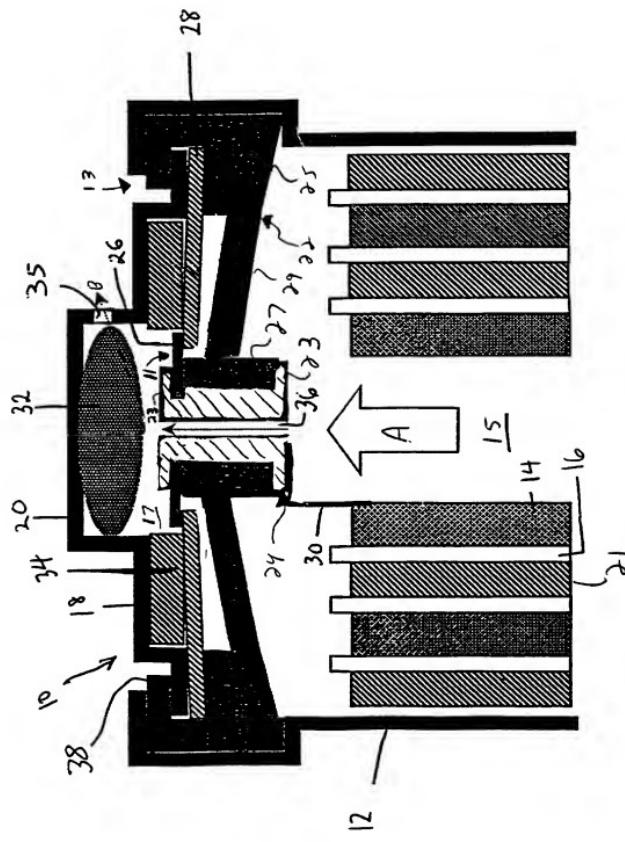


FIG. 2A

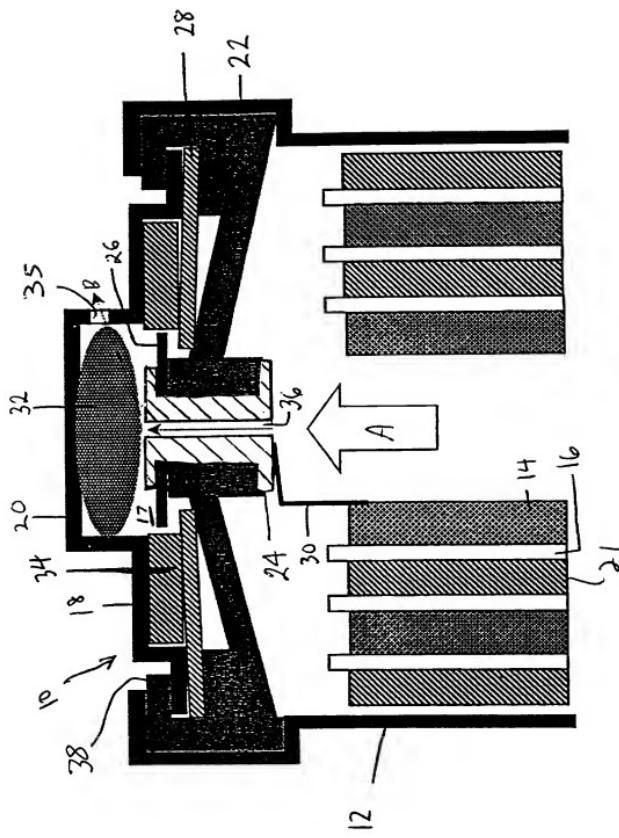
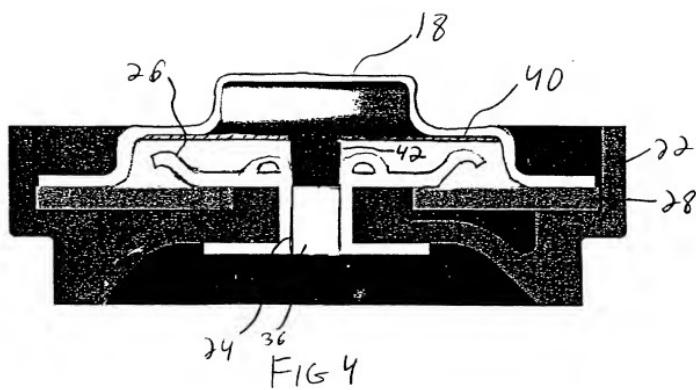
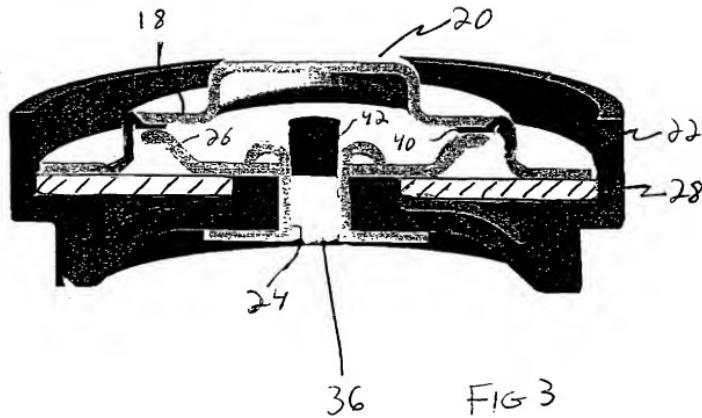


FIG. 2B



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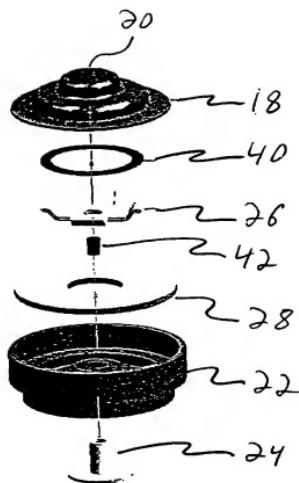


FIG. 5

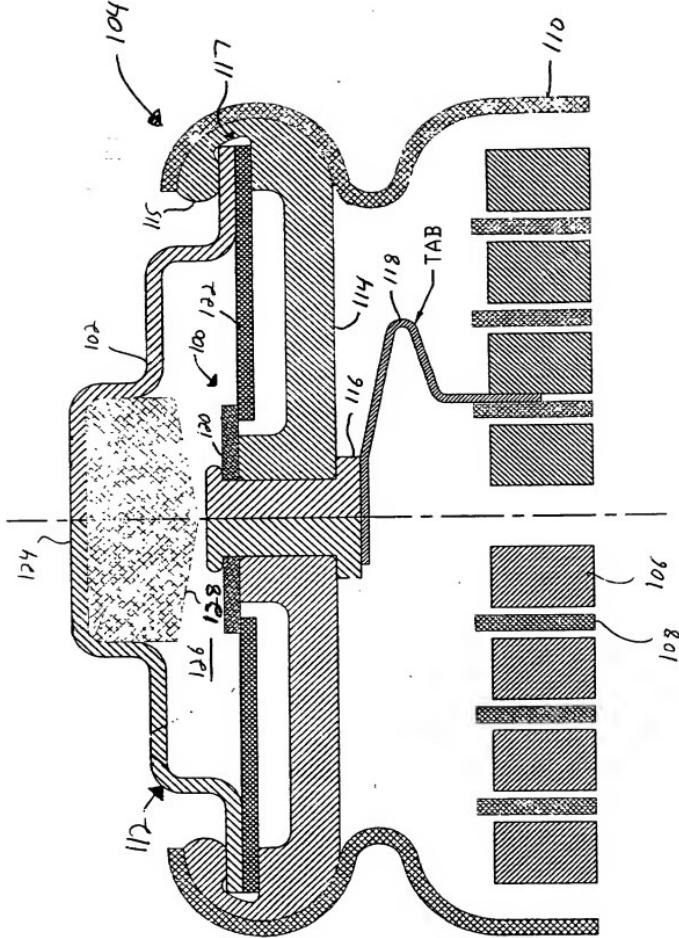


FIG 6

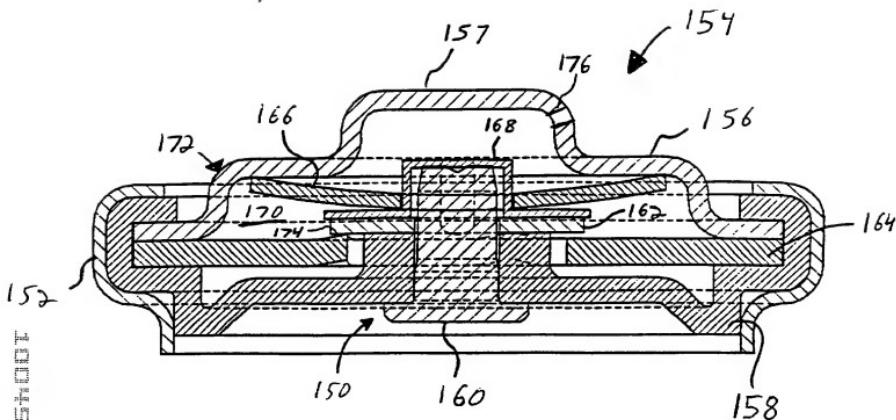


Fig. 7

Figure 8 Nickel metal hydride cell pressure and temperature during alternating current or constant current charge.

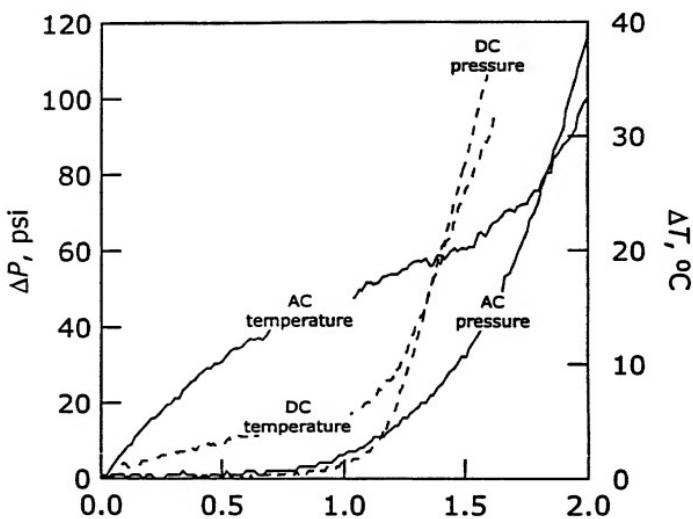


Figure 9 Nickel metal hydride cell pressure and temperature during alternating current or constant voltage charge.

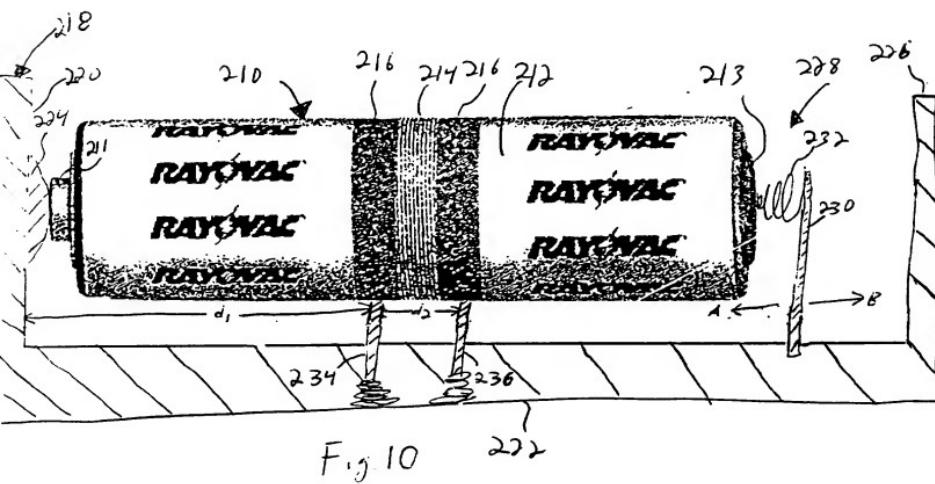
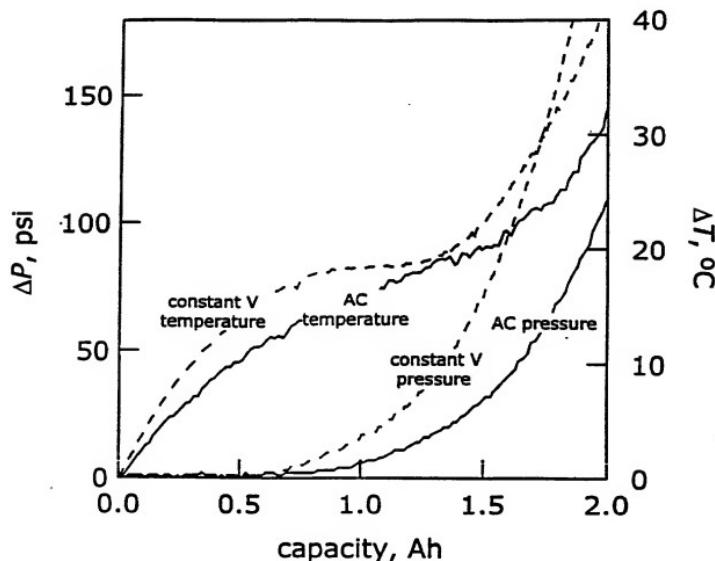
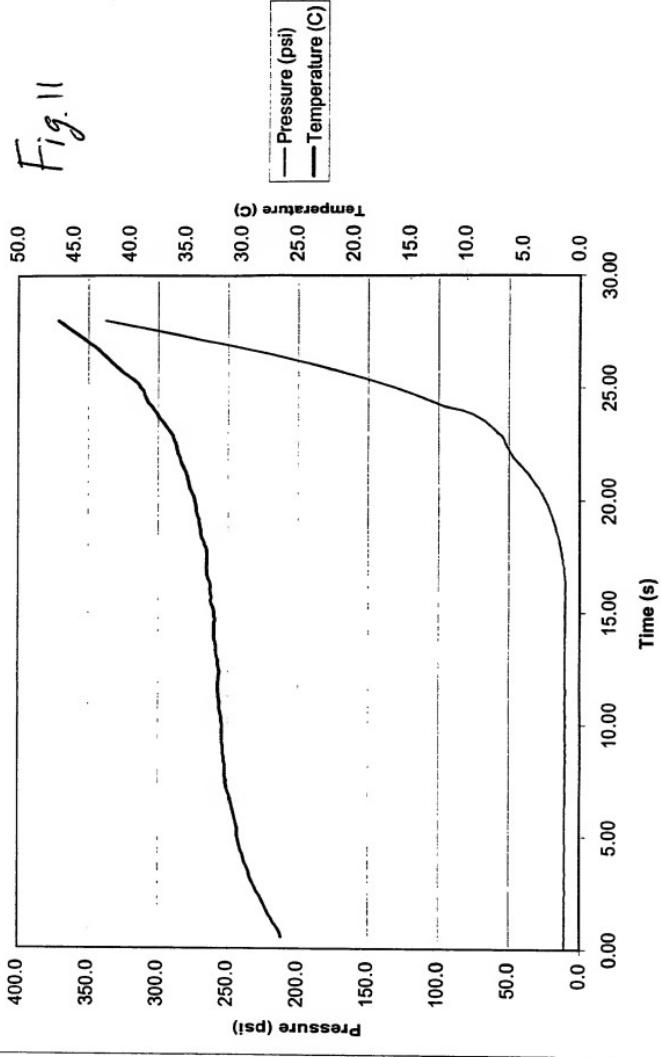


TABLE II. THEORETICAL



THEORY AND DESIGN

Fig. 12

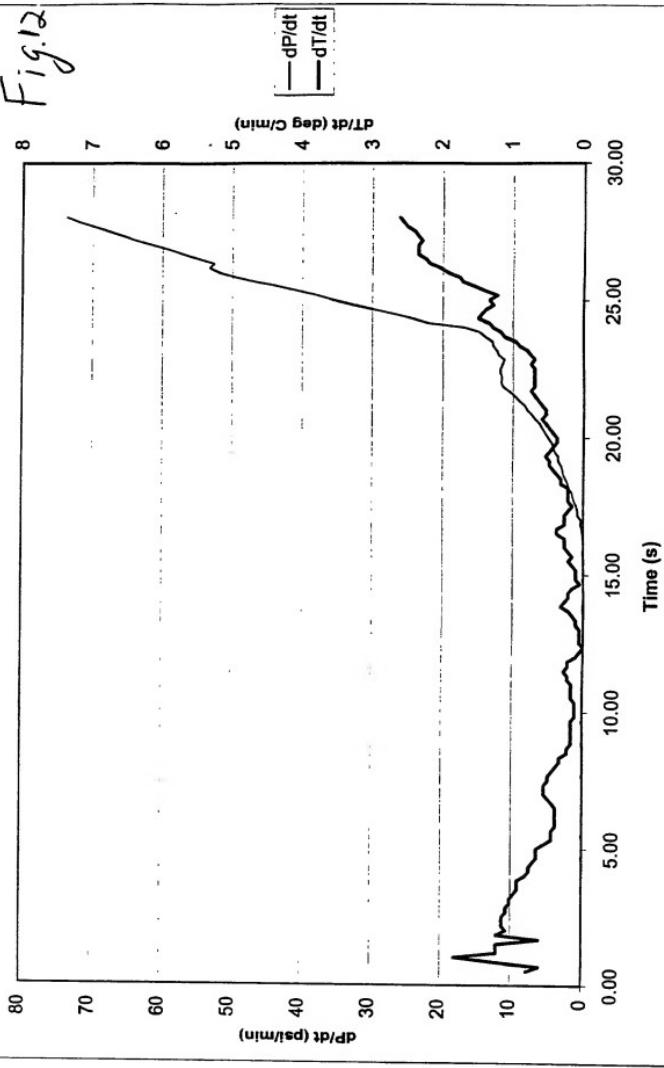
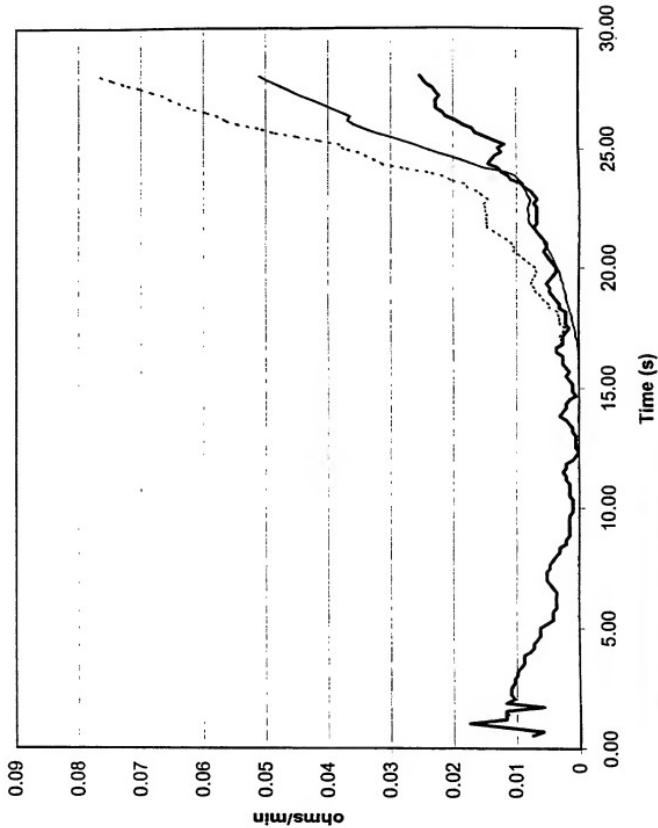


Fig. 13



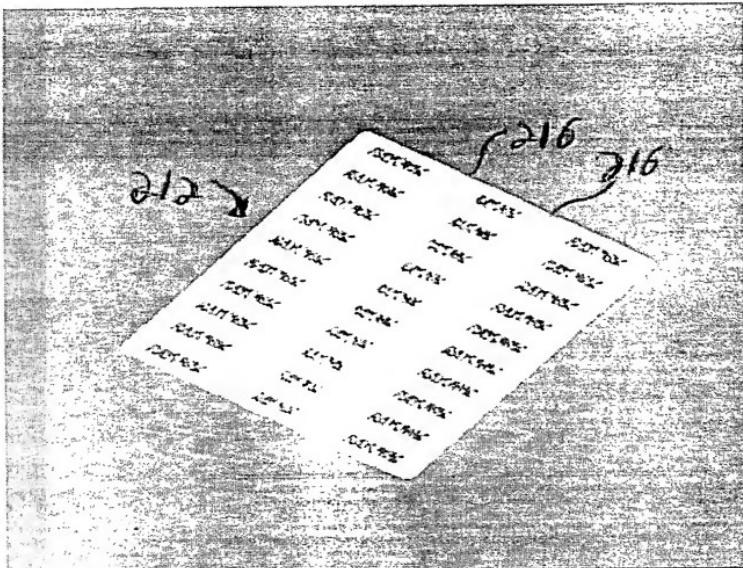


Fig. 14

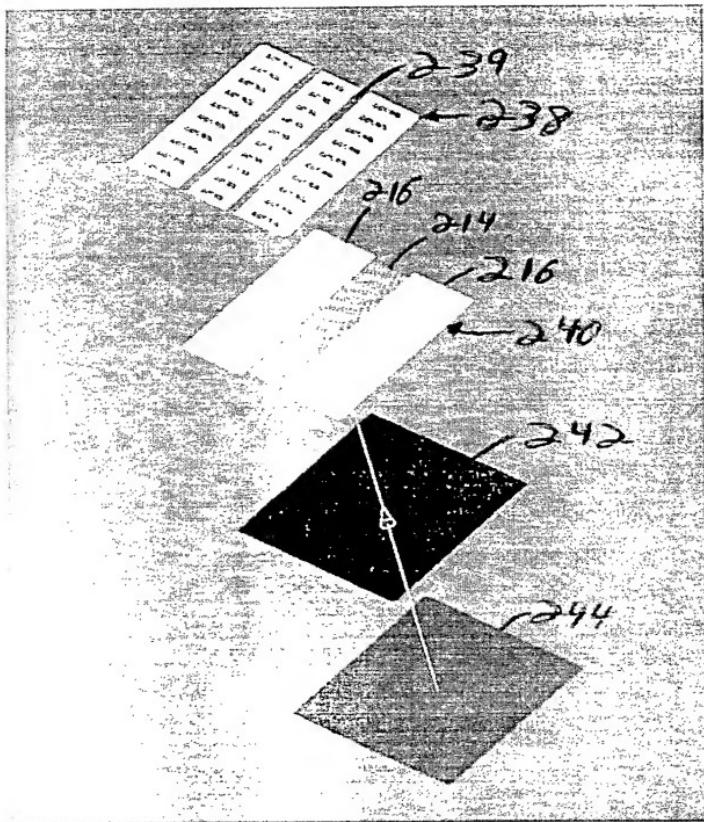


Fig. 15

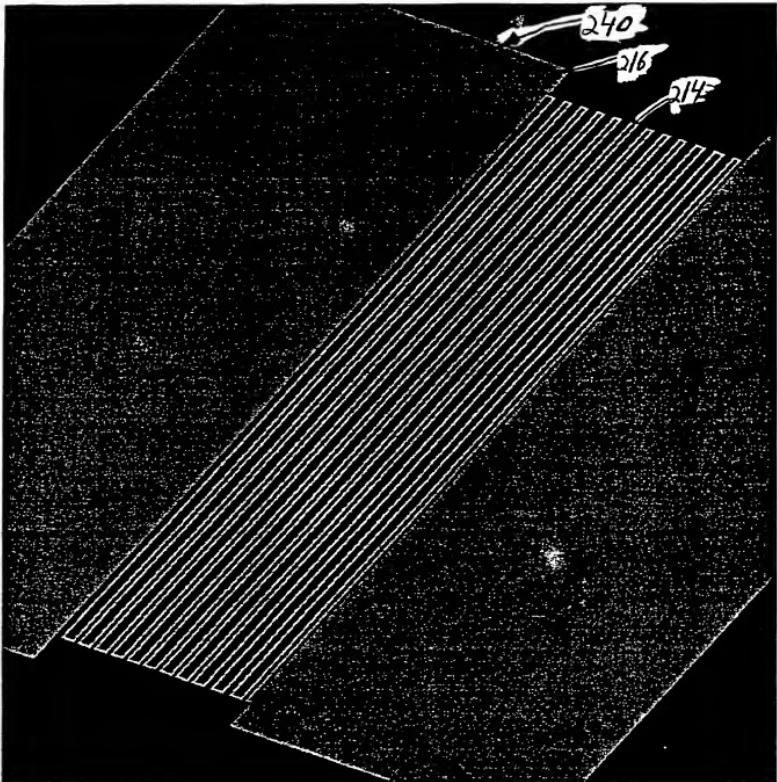


Fig. 16

THE TITAN TEST UNIT

Initial pressure of multiple
cells on 15 min. charged 1 hr. discharge

Fig. 17

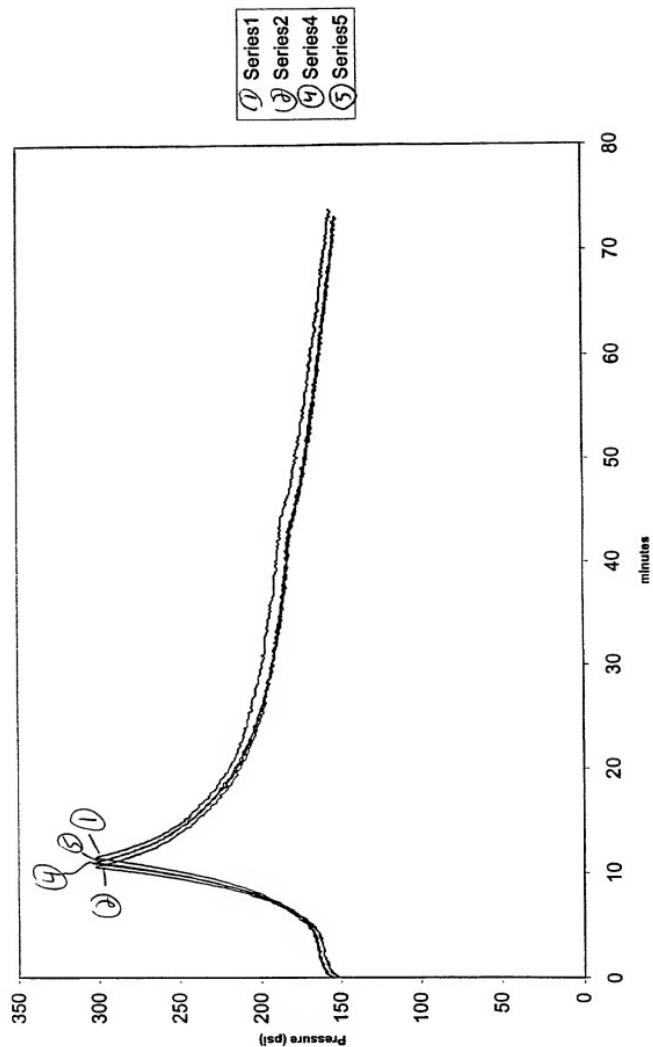


Fig. 18
1300 mAh nickel-metal hydride cell
with 30 minute constant current charge

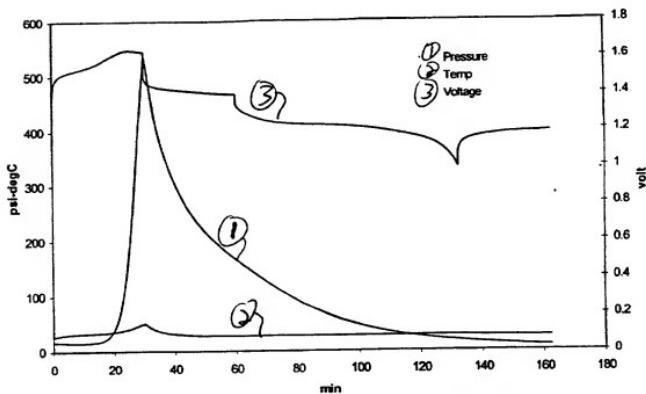


Figure 19
1300 mAh cell - Pressure rise and Fall
vs. cycle life number

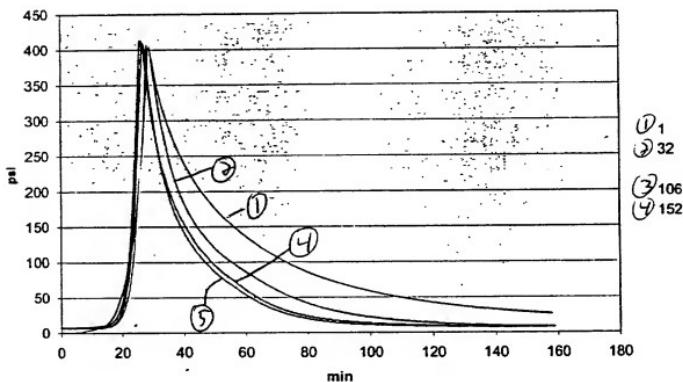
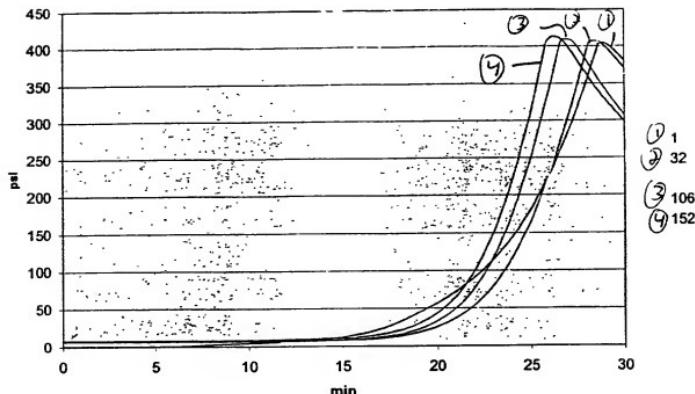


Figure 20

1300 mAh cell → Pressure rise versus Cycle life number



Figures "Figures"

Fig. 21

1300 mAh cell - Pressure fall vs. cycle life number

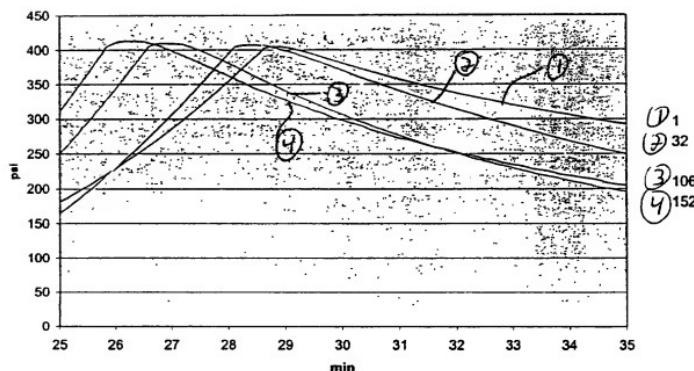


Figure 22

1300 mAh cell - Rise and fall of Pressure,
Temperature and voltage vs cycle life number

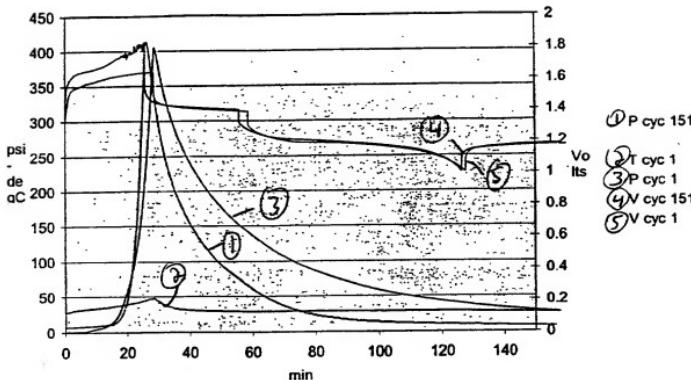


Figure 23

1100 mAh cell - Pressure rise and fall of
multiple cells vs. cycle life number

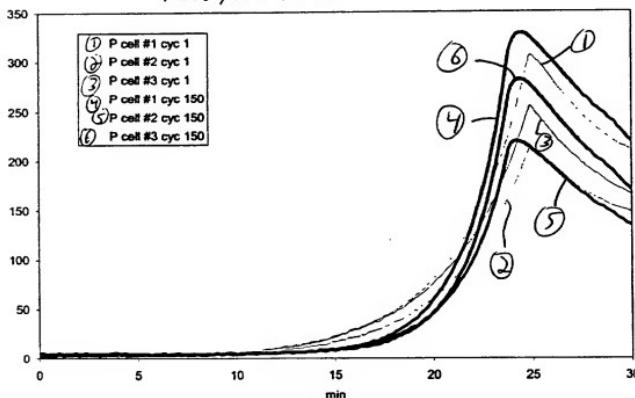
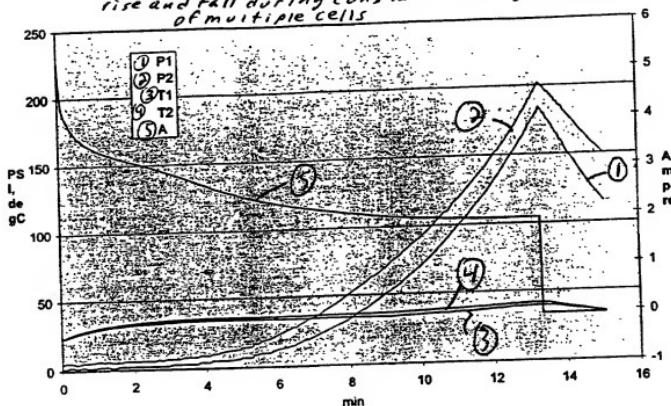
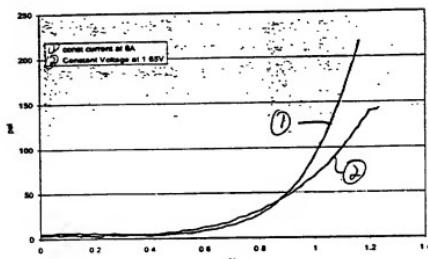


Figure 24

550 mAh cell - Pressure, Temperature and current rise and fall during constant voltage charge of multiple cells

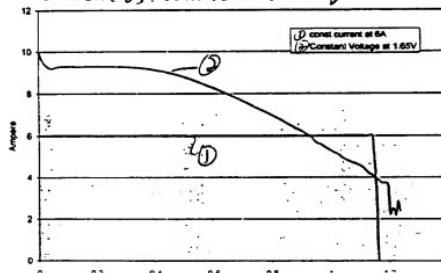


Interval pressure of 1300 mAh Nickel-metal hydride cell - comparing constant current vs. constant voltage



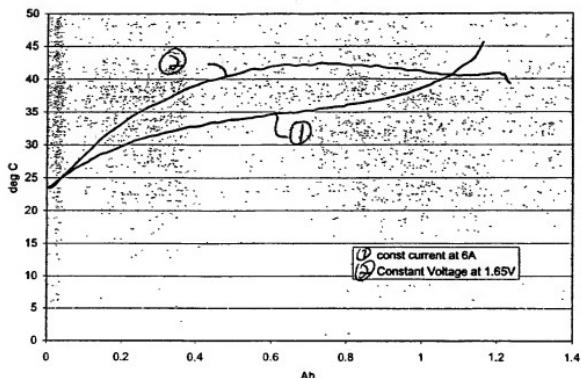
Current during charge of 1300 mAh Nickel-metal hydride cell - comparing constant current vs. constant voltage

Fig 25



Temperature of 1300 mAh Nickel-metal hydride
cell - comparing constant current vs. constant voltage

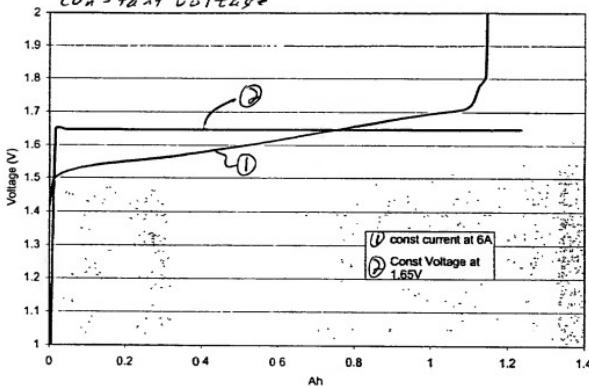
Fig 27



Voltage rise during Charge of 1300 mAh Nickel-
Metal hydride cell - comparing constant current vs.
constant voltage

TEMPERATURE DURING CHARGE

Fig 28



Effect of different charge voltage on Nickel-metal hydride cell equipped with end cap pressure switch

Fig. 29

